Work Order ID 60355 Page 1 July 6, 2010 1:24:28 PM Setup Start Accept Item ID: D412-769-044 **Revision ID:** Stop Aft Facing Seat Assembly, RH Item Name: Start Qty: 1.00 **Start Date:** 7/06/10 Cust Item ID: Req'd Qty: 1.00 Required Date: 7/20/10 **Customer:** Reference: Start Run Process Plan: CL Date: 10/7/4 Tooling: Date: Approvals: Stop Date:_____ SPC (Y/N): Date: QC: Reject Reject Operation Tool ID Tool # Plan Accept Insp. Set Up/ Sequence ID/ Number Stamp Code Qty Qty Work Center ID Description **Run Hours** Revision Nbr Draw Nbr IIN D412-769 Rev B 0.00 100 Pick Kit 0.00 Packaging Memo Packaging 0.00 110 Small Fab 0.00 Small Fab Memo 1- assemble as per dwg D412-769-2 Small Fab QC5- Inspect part completeness to step on W/O 0.00 120 S 10/07/26 Memo Quality Control

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Work Ord <i>July 6, 2010 1:2</i>		355										Page 2
Item ID: Revision ID:	D412-769-04			Accept				se	-	Start Stop		
Item Name: Start Date: Required Date: Reference:	7/06/10	t Assembly, RH Start Qty: 1.00 Req'd Qty: 1.00			Cust Item ID Customer:							1 8 181 1181 188 1
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Sequence ID/ Work Center II	D	Operation Description Grey Sandtex(Ref: 4.3.5.	6) per OSI005 4.3	Set Up/ Run Hours 0.00	Tool ID	Tool #		Accept Oty	Reje Qty			Insp. Stamp
Powdercoat Powder Coating		D412-769-0 leg does not	782-041 and D3782-043 ft 141 □2- install bolts in 3 p move when Powdercoat □ D412-769-2□START	lace (in seat belt eye bolt	not as per dwg holes) to ensure of assembly grey	PART.	-10:74 320° +11:1	0.	· .	1	bf 10	-7:28
QC Quality Control		QC3- Inspect Part Finish Memo	1	0.00	M 10/07	1	Ç -		<u>:</u>) ()	· 	
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Work Ord July 6, 2010 1:)355							Page 3
Item ID: Revision ID: Item Name:	D412-769-0	044 eat Assembly, RH		Accept			Setu	p Start Stop	
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Approvals:		an:			Date:		Run	Start Stop	
Sequence ID/ Work Center I 160 Small Fab Small Fab	ID.	Operation Description Small Fab Memo 1- install rer	naining parts as per dw	Set Up/ Run Hours 0.00 0.00 vg D412-769-2	T (1001 D)	Fool # Plan Code			Reject Insp. Number Stamp
170 		QC5- Inspect part compl Memo	eteness to step on W/C		(us/zq		41		
180 Packaging Packaging		Identify as per dwg & St Memo	ock Location:	0.00			Raj	17 ps	B_(l)

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Part No):	PAR #:	Fault Cate	egory:	NC	R: Yes I	No D	QA:	_ Date: _	
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Item Name:	Aft Facing Se	eat Assembly, RH								Stop		
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Sequence ID/ Work Center II)	Operation Description	·	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Acce	-	eject ty	Reject Number	Insp. Stamp
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Quality Control		Memo				ļ !				1		

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Work Order ID: 60: Parent Item: D4 Parent Item Name:	12-769-044	embly, RH							art Date: 7/0		- 1	red Date: 7/20	
Comments:	IPP rev A 08.05-1 IPP Rev:B 08-07- IPP Rev:C 08-08-2	17 revB as per	dwg DE	verified by	:ec DD verified by:1	EC					4	•	·
component Item ID/ tem Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Ki	Total Qty	Qty Issued	Date Issued	Status
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Dart Aerospace Ltd W/O: **WORK ORDER CHANGES Approval Approval** DATE **STEP** PROCEDURE CHANGE By Qty Date Chief Eng / QC Inspector Prod Mgr Part No: _______ PAR #: _____ Fault Category: ______ NCR: Yes No DQA: ____ Date: ____ Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

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Picklist Print Page 3 July 6, 2010 1:24:27 PM Work Order ID: 60355 Parent Item: D412-769-044 Parent Item Name: Aft Facing Seat Assembly, RH **Start Date: 7/06/10** Required Date: 7/20/10 Start Qty: 1.00 Required Qty: 1.00 AN960JD10L NAS1149D0332J Purchased No 160 Each 3,303.000 13 ~ Washer Location Loc Oty Loc Code ST348 3303 110985 3303 AN960JD416 NAS1149D0463J Purchased No 110 Each 20.0000 Washer Location Loc Qty Loc Code ST351 20 108827 20 AN960JD516 NAS1149D0563J Purchased No 110 0.0000 20 Each M113706 Washer D3766-2 Manufactured No 110 Each 1.0000 Front Rail, RH Location Loc Qty Loc Code ST254 54382 D3766-3 No Manufactured 110 Each 6.0000 Rear Rail Location Loc Qty Loc Code ST254 56314 56314

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Dart Aerospace Ltd W/O: WORK ORDER CHANGES DATE STEP PROCEDURE CHANGE By Date Other Eng / Prod Mgr Ochief En

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rent Item: D412-769-044 rent Item Name: Aft Facing Seat	Accombly DII								
rent Item Name: Aft Facing Seat	Assembly, RH						Start Date: 7/0 Start Qty: 1.0	1	equired Date: 7/20/10 Required Qty: 1.00
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74-1 —	Manufactured	No		160	Each	1.0000		1	
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arent Item Name: Aft Facing Seat A	Assembly, RH					St	tart Date: 7/0	06/10	Required Date: 7/20/10
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Dart Aerospace Ltd WORK ORDER CHANGES W/O: **Approval Approval STEP** PROCEDURE CHANGE Qty DATE By Date Chief Eng / QC Inspector Prod Mgr Resolution: _____ QA: N/C Closed: Date: _____ **WORK ORDER NON-CONFORMANCE (NCR)** NCR: **Corrective Action** Section B **Description of NC** Verification **Approval Approval** DATE **STEP** Sign & **Action Description** Initial Section A Section C Chief Eng QC Inspector Date Chief Eng Chief Eng

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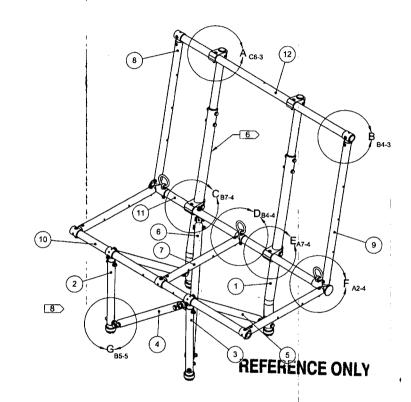
REFERENCE ONLY

D412-769-044 AFT FACING SEAT, RH

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В	NEW H	ARDWARE		HS	08.06,25
Α	NEW IS	SUE		HS	08.06.04
REV.			DESCRIPTION	BY	DATE
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ITEM NO.	PART NUMBER	DESCRIPTION	QTY. (-044
1	D3782-045	BACK LEG ASSY	2
2	D3782-041	FRONT INBOARD LEG ASSY	1
3	D3782-044	FRONT OUTBOARD LEG ASSY, RH	1
4	D3783-041	LATERAL BRACE ASSY	1
5	D3783-043	LONGITUDINAL BRACE ASSY	2
6	D3783-045	ANGLE BRACE ASSY	1
7	D3784-041	SEAT SUPPORT ASSY	<u></u>
8	D3784-043	SEAT SUPPORT ASSY, LH	1
9	D3784-044	SEAT SUPPORT ASSY, RH	1
10	D3766-2	FRONT RAIL, RH	1
11	D3766-3	REAR RAIL	1
12	D3767-1	UPPER RAIL	1
13	D3792-1	SEAT BELT EYE BOLT	3
14	D3775-1	GUARD	2
15	D3774-1	SEAT BOTTOM	1
16	D3774-3	SEAT BACK	<u></u>
17	AN3-5A	BOLT	6
18	AN4-15A	BOLT	2
19	AN45-13A	EYE BOLT	1
20	AN5-10A	BOLT	6
21	AN5-13A	BOLT	2
22	AN525-10R22	SCREW	13
23	AN525-10R24	SCREW	9
24	MS21042L3	NUT	28
25	MS21042L4	NUT	28
26	MS21042L5	NUT	12
27	NAS1149D0332J	WASHER (AN960JD10L)	13
28	NAS1149D0363J	WASHER (AN960JD10)	21
29	NAS1149D0463J	WASHER (AN960JD416)	4
30	NAS1149D0568J	WASHER (AN960JD516)	20



D412-769-044 AFT FACING SEAT, RH

DESIGN	HS	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	HS		
CHECKED	ett	DRAWING NO.	REV B
MFG. APPR.	W $$	1D412-769-2	SHEET 2 OF 7
APPROVED	100/	TITLE	SCALE
DE APPR.	- 11	AFT FACING SEAT AS	SY, RH NTS
DATE 08.0	06.25	COPYRIGHT © 2008 BY OART AEI THIS DOCUMENT IS PRINCTE AND CONSIDENTIAL AND IS SUPPLIED OF NOT TO BE USED FOR ANY PURPOSE OR COMPLET OR COMMUNICATE	ROSPACE LTD

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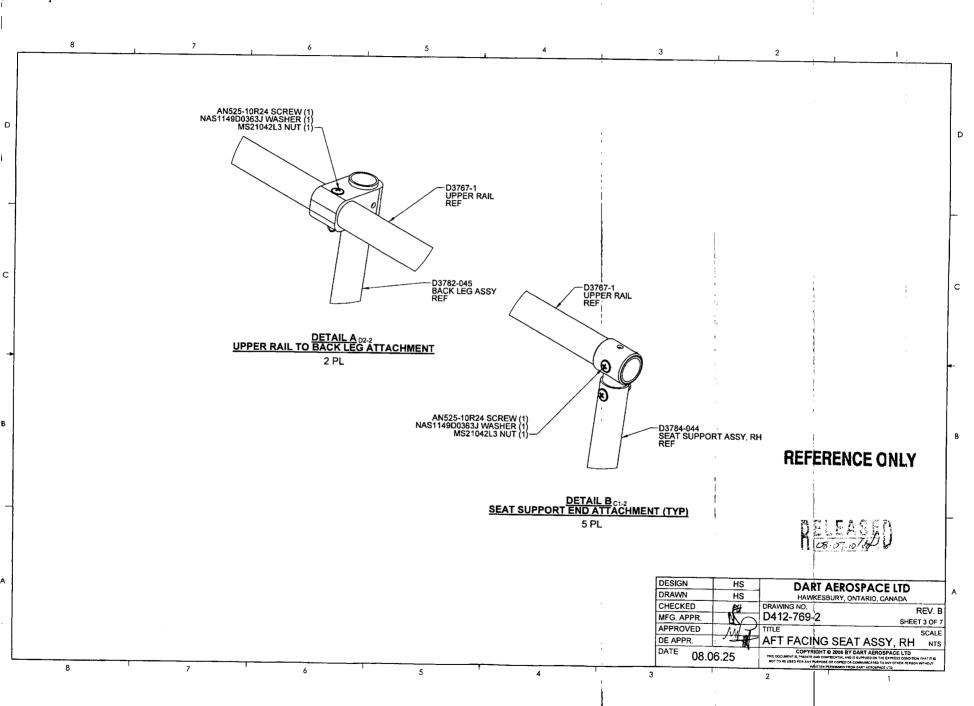
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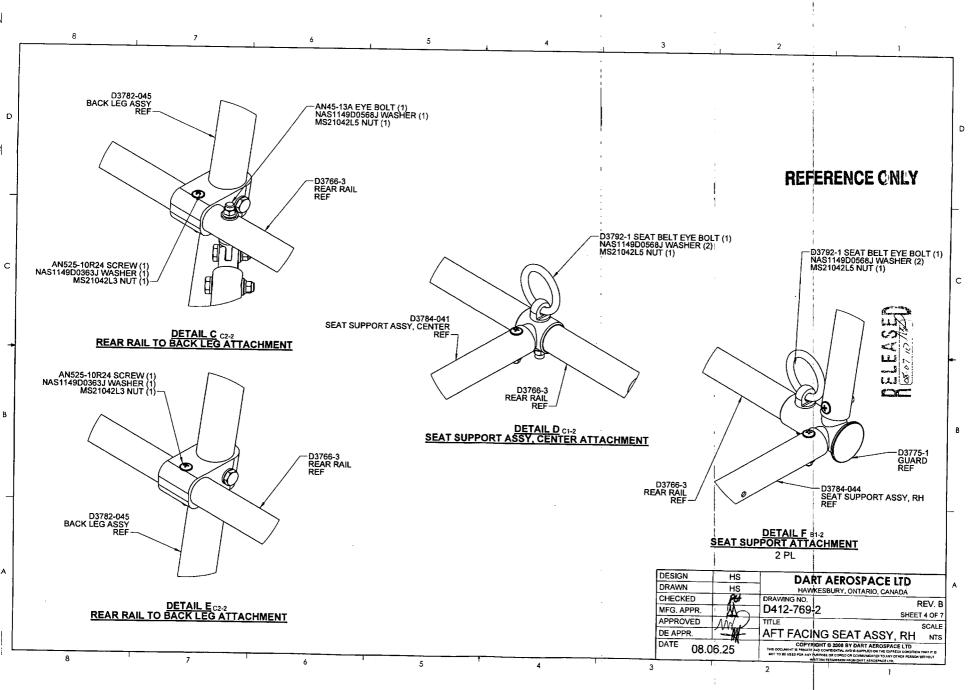
NOTES:
1) MATERIAL: N/A
2) FINISH: POWDER COAT "GREY SANDTEX" (4.3.5.6) PER DART QSI 005 4.3 PRIOR TO
INSTALLATION OF SEAT BOTTOM/BACK (D3774-1, -3). MASK FRONT LEGS PRIOR TO POWDER COAT
3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
4) UNITS: INCHES UNLESS OTHERWISE NOTED
5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
6) IDENTIFICATION: IDENTIFY WITH D2729-1 RED DECAL ATTACHED TO BACK LEG ASSEMBLY (D3782-045)
7) WEIGHT: 30.0 lbs
8) ITEM 15 (D3774-1 SEAT BOTTOM) AND ITEM 16 (D3774-3 SEAT BACK) REMOVED FOR CLARITY

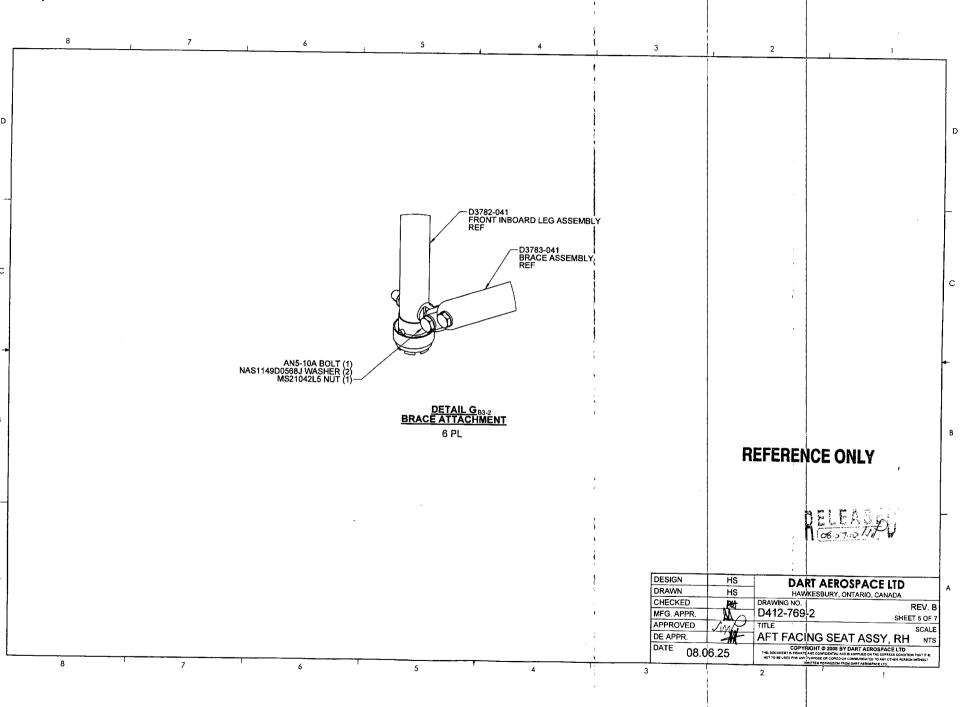
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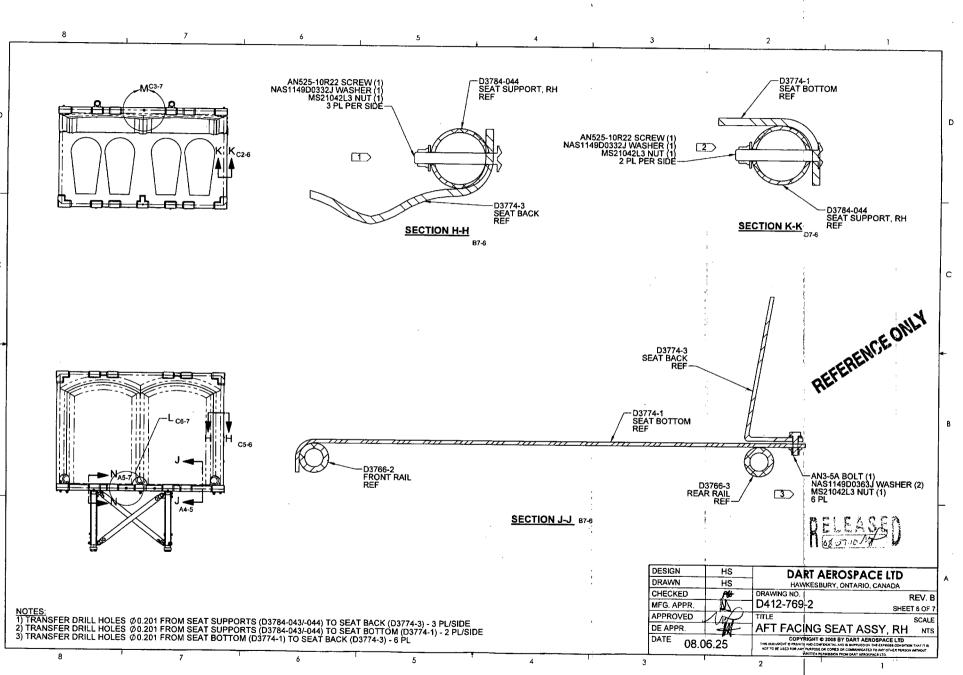
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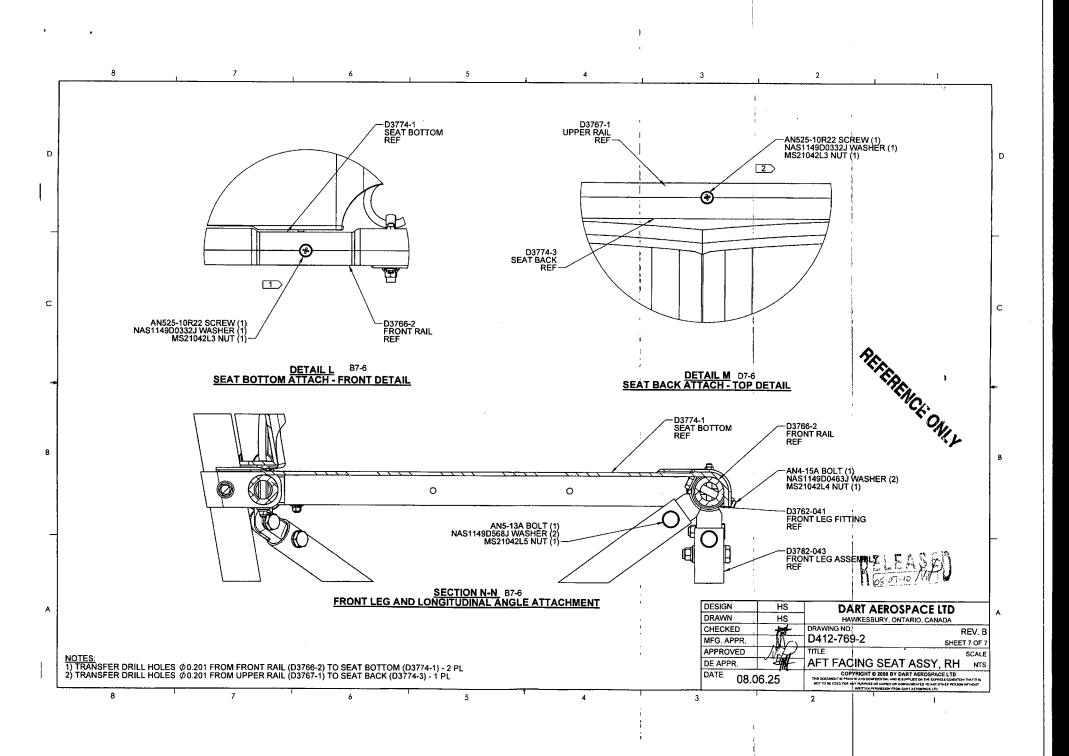


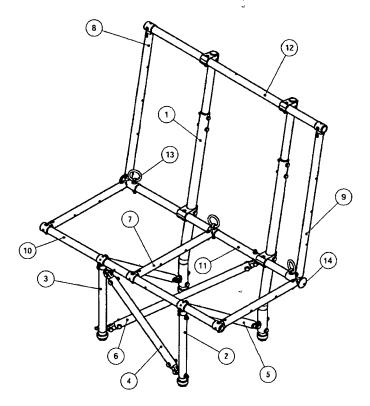




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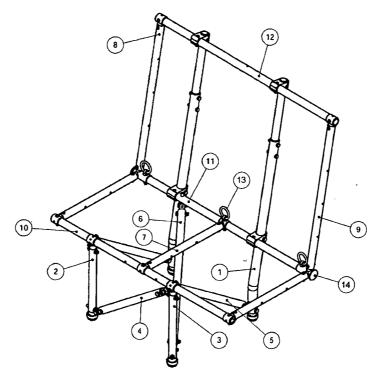




Item	Part Number	Description	Quantity
Number			(-043)
1	D3782-045	Back Leg Assembly	2
2	D3782-041	Front Inboard Leg Assembly	
3	D3782-043	Front Outboard Leg Assembly	1
4	D3783-041	Lateral Brace Assembly	1
5	D3783-043	Longitudinal Brace Assembly	2
6	D3783-045	Angle Brace Assembly	1
7	D3784-041	Seat Support Assembly	1
8	D3784-043	Seat Support Assembly, LH	1
9	D3784-044	Seat Support Assembly, RH	1
10	D3766-1	Front Rail	1
11	D3766-3	Rear Rail	1
12	D3767-1	Upper Rail	1
13	D3792-1	Seat Belt Eye Bolt	3
14	D3775-1	Guard	2
15	D3774-1	Seat Bottom (Not Shown)	1
16	D3774-3	Seat Back (Not Shown)	1

Figure 25-11: D412-769-043 Aft Facing Seat Assembly, LH

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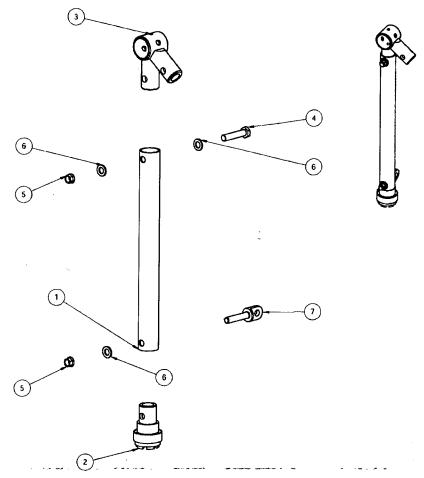


Item Number	Part Number	Description	Quantity (-044)
1	D3782-045	Back Leg Assembly	2
2	D3782-041	Front Inboard Leg Assembly	1
3	D3782-044	Front Outboard Leg Assembly	1
4	D3783-041	Lateral Brace Assembly	1
5	D3783-043	Longitudinal Brace Assembly	2
6	D3783-045	-Angle Brace Assembly -	
7	D3784-041	Seat Support Assembly	1
8	D3784-043	Seat Support Assembly, LH	1
9	D3784-044	Seat Support Assembly, RH	1
10	D3766-2	Front Rail	1
11	D3766-3	Rear Rail	1
12	D3767-1	Upper Rail	1
. 13	D3792-1	Seat Belt Eye Bolt	3
14	D3775-1	Guard	2
15	D3774-1	Seat Bottom (Not Shown)	1
16	D3774-3	Seat Back (Not Shown)	1

Figure 25-12: D412-769-044 Aft Facing Seat Assembly, RH

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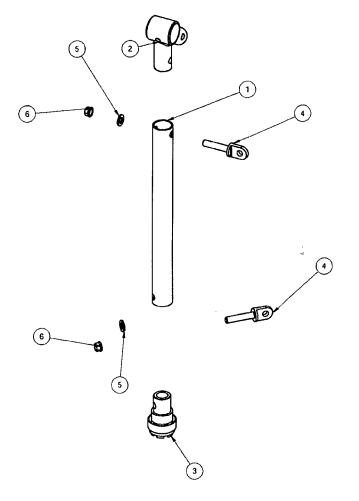
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Item Number	Part Number	Description	Quantity (-041)
1	D3768-1	Front Inboard Leg	1
2	D3787-1	Foot	1
3	D3762-041	Front Leg Fitting Assy	1
4	AN5-13A	Bolt	1
5	MS21042L5		2
6	NAS1149D0568J	Washer	3
7	AN45-13A	Eye Bolt	1

Figure 25-13: D3782-041 Front Inboard Leg Assembly

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Item Number	Part Number	Description	Quantity (-043)	Quantity (-044)
1	D3768-3	Front Outboard Leg, LH	1	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
1	D3768-4	Front Outboard Leg, RH		1
2	D3762-041	Front Leg Fitting Assy	1	1
3	D3787-1	Foot	1	1
4	AN45-13A	Eye Bolt	2	2
5	NAS1149D0568J	Washer	2	2
6	MS21042L5	Nut	2	2

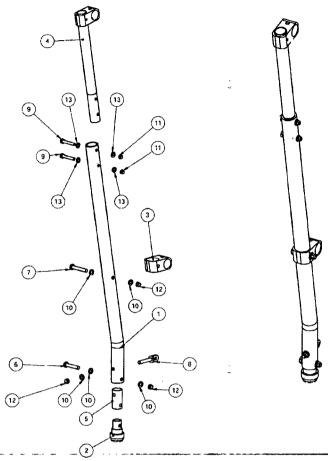
Figure 25-14: D3782-043/-044 Front Outboard Leg Assembly

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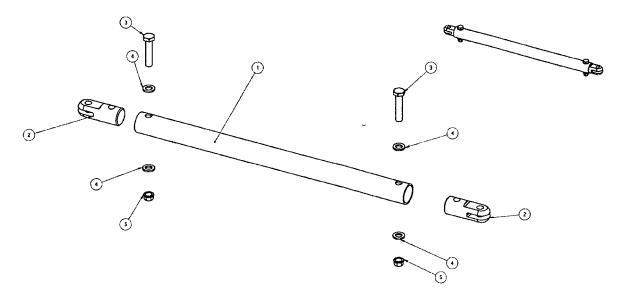
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Item Number	Part Number	Description	Quantity (-045)
1	D3772-1	Back Leg	1
2	D3787-1	Foot	1
3	D3764-1	Back Leg Fitting	1
4	D3773-041	Head Rest Adapter	1
5	D3786-1	Sleeve	1
6	AN5-15A	Bolt	1
7	AN5-17A	Bolt	1
8	AN45-15A	Eye Bolt	1
9	AN4-15A	Bolt	2
10	NAS1149D0568J	Washer	5
- 11	MS21042L4	Nut: Service a	2
12	MS21042L5	-Nut	3-
13	NAS1149D0463J	Washer	4

Figure 25-15: D3782-045 Back Leg Assembly

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Item Number	Part Number	Description	Quantity (-041)	Quantity (-043)	Quantity (-045)
1	D3769-1	Tube	1		
1	D3769-3	Tube		1	
1	D3769-5	Tube			1
2	D3765-1	Clevis	2	1	2
3	AN5-13A	Bolt	2	1	2
4	NAS1149D0568J	Washer	4	2	4
5	MS21042L5	Nut	2	1	2

Figure 25-16: D3783-041/-043/-045 Brace Assemblies

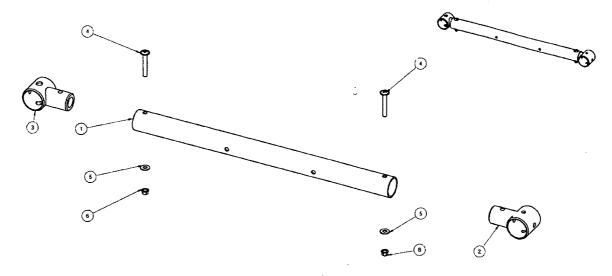
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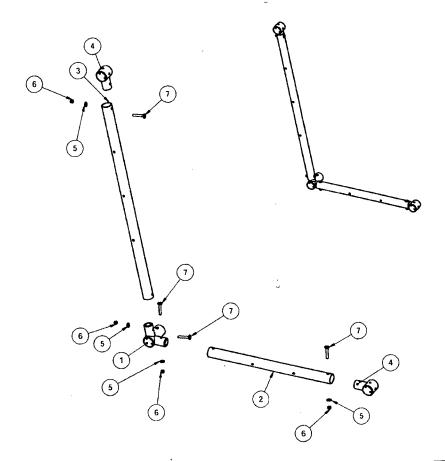
Item Number	Part Number Description		Quantity (-041)
1	D3770-1	Tube	11
2	D3763-041	End Fitting	1
3	D3763-045	End Fitting	1
4	AN525-10R20	Screw	2
4	NAS1149D0332J	Washer	2
5	MS21042L3	Nut	2

Figure 25-17: D3784-041 Seat Support Assembly

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Item	Part Number	Description	Quantity (-043)	Quantity (-044)
Number 1 1 2 3 4 5 6	D3762-043 D3762-044 D3770-1	End Fitting, LH End Fitting, RH Tube Tube End Fitting Washer Nut	1 1 1 2 4 4 4	1 1 1 2 4 4 4
7	AN525-10R20	Screw		

Figure 25-18: D3784-043/-044 Seat Support Assemblies

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